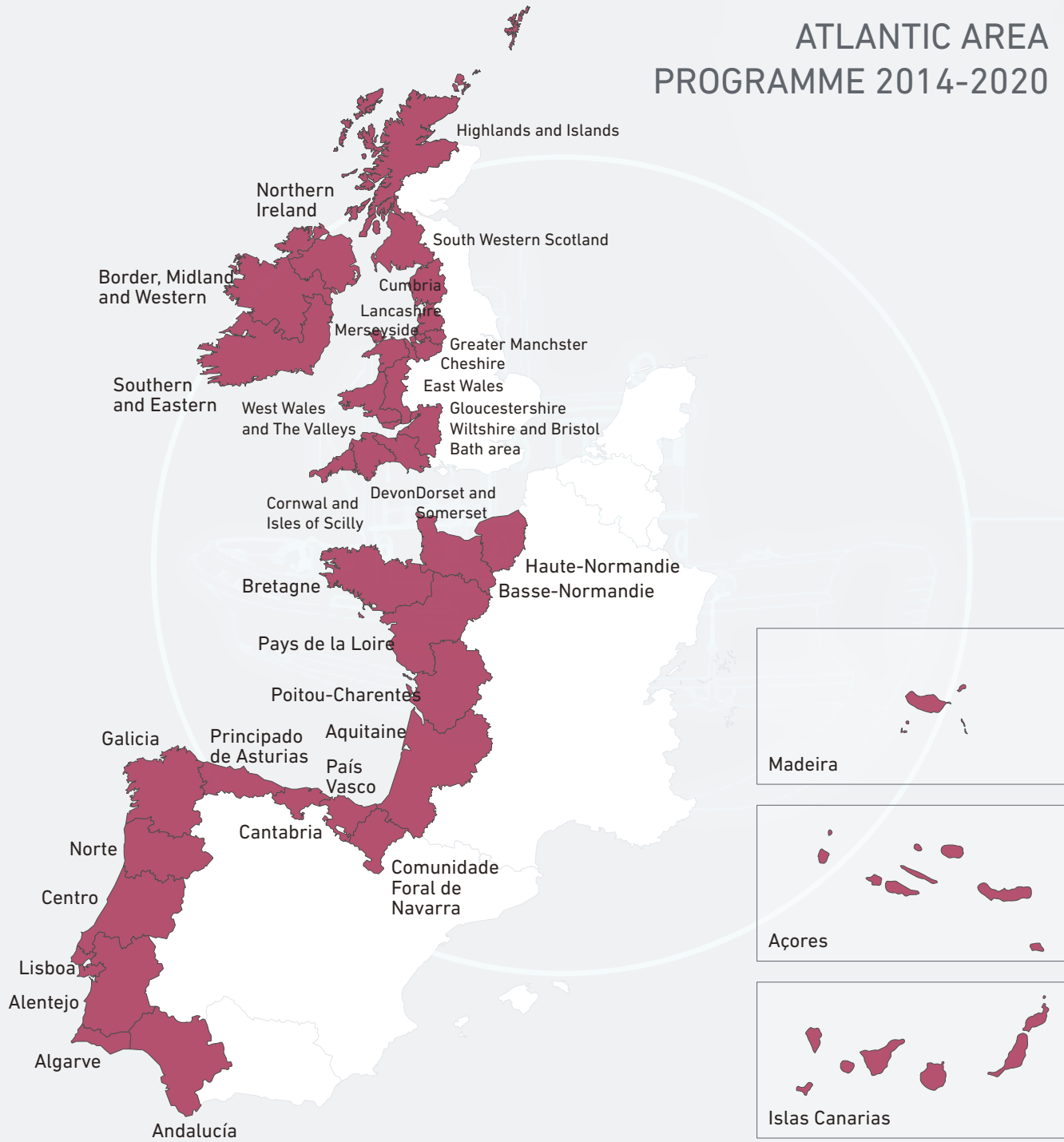


ATLANTIC AREA
PROGRAMME 2014-2020



IN 4.0

ADAPTATION OF INDUSTRY 4.0 MODEL
TO THE NAVAL SECTOR



OVERALL OBJECTIVE

N4.0 aims to improve the competitiveness of companies in the naval sector through their adaptation to the productive model represent by industry 4.0, guaranteeing the continuity of the sector in an increasingly demanding market, where innovation is a key factor for strategic positioning.

To this end, the main barriers that prevent the sector from adapting its business model will be validated, determining the degree of maturity of existing technologies that can be implemented in SMEs; redefining work organization systems; training workers to adapt to the industry 4.0 model; designing innovative strategies to save costs in the implementation of technologies; detecting new marketing methods and implementing innovations designed in along the IN 4.0 Project in the selected SMEs across the participating regions in the project

SPECIFIC OBJECTIVES

- Validating the main "problems" or "barriers" already identified
- Determining the degree of maturity of existing technologies
- Transforming organizational systems
- Training of workers
- Designing and implementing innovative strategies, as well as innovative technologies and new commercialization methods

PROJECT IMPLEMENTATION AREA

The INTERREG Atlantic Area Programme covers the Western part of Europe bordering the Atlantic Ocean. It includes 36 regions from five countries: Western United Kingdom, North and the Westernmost part of Southern Spain, West of France, Ireland and Portugal.

MAIN ACTIONS

IN CONTEXT: This is the launching activity towards the adaptation to a new productive model starting on the analysis of the existing state of the art and the detection of innovative models and industry 4.0 technologies applicable to the maritime sector.

- Report on the results of the surveys carried out among companies and key players of the maritime sector, in order to assess the current situation compared to the factory of the future (industry 4.0 model)
- Catalog containing a minimum of 20 existing technologies with implementation potential in the maritime sector
- Report on the degree of maturity of the identified technologies: minimum 5
- 1 transnational validation forum

IN WORK AND IN TRAINING: Protocol for the redefinition of workers' tasks and training for the execution of the resulting tasks.

- Work roles redefinition protocol
- Training programme
- 25 job placements for young university graduates
- Training implemented in 50 maritime sector SMEs
- 10 training actions carried out in each participating country. Shipbuilding Open Knowledge Web System, Mentoring networks established in the 5 countries

IN COMMERCIALIZATION AND COSTS: Cost reduction related to the implementation of industry 4.0 technologies and new marketing methods.

- List of available technology alternatives in order to reduce costs when acquiring technologies (resulting from previous market research)
- Guide on the new marketing methodologies being implemented in other industry sectors
- 5 innovative marketing methodologies tailored to the maritime sector needs
- Cross-sector matching and mapping platform (more than 100 companies across Europe)
- 5 cross-sector forums, facilitating the interaction of maritime sector companies with other industries and fostering cooperation and knowledge sharing

IN ADAPTATION: Business counseling for the transformation of maritime SMEs into intelligent companies.

- Identification of 5 business success cases among SMEs in the maritime sector (1 per country) to be externally evaluated in order to measure their growth after the adaptation to the industry 4.0 model (50 quantitative and qualitative indicators resulting from this analysis)
- Development of an After industry 4.0 model implementation Growth Measurement Methodology for maritime SMEs
- Identification of 10 maritime SMEs and 5 technological mentors
- 10 business mentoring pilot projects to be carried out in the previously identified SMEs (2 per country), resulting in 10 business plans (1 per pilot project)
- Growth Measurement Methodology to be implemented in the pilot projects in order to be able to diagnose the sector's current technological readiness and to predict growth after the adaptation of SMEs to the industry 4.0 model
- 5 workshops to disseminate the pilot projects, aiming to impact a great number of maritime SMEs across the Atlantic Area, raising awareness on the need to plan their technological change process